

OTIIMA
SYSTEMS

**Much
more
than a
Window.**

www.muchmorethanawindow.com | info@muchmorethanawindow.com

OTIIMA SYSTEMS

Several standard and complementary systems for the perfect match in line with architectural principles, context and demands. OTIIMA systems for much more than WINDOWS.

**Much
more
than a
Window.**

www.muchmorethanawindow.com | info@muchmorethanawindow.com





OTIIMA CLASSIC beginning








With 20mm thick vertical interlocks, it allows large surfaces per glazed panel, offering excellent watertightness performance levels, air permeability, wind-load resistance and thermal insulation.

A standard sliding system, with excellent performance levels in watertightness, air permeability, wind-load resistance and also thermal insulation.

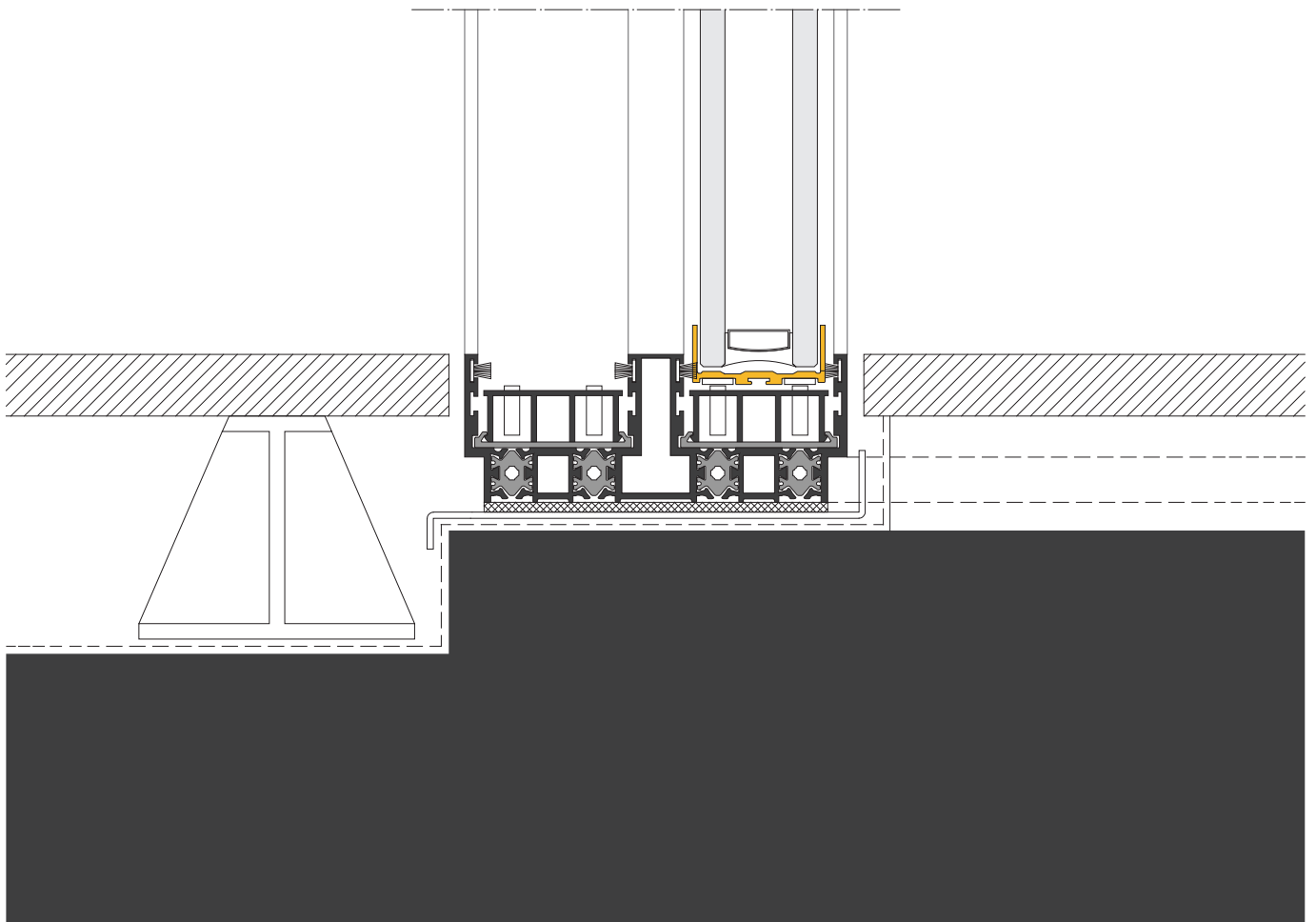
The system uses a toughened glass that allows a superior resistance, with large surfaces.

Vertical 20mm thick profiles prepared for superior thermal, water, air permeability performances and wind-load resistance.

Exclusive sliding system with vertical stainless-steel bearings, for smooth effortless manual opening.

	Watertightness ISO EN 12208 + ISO EN 1027	8A (450 Pa or 95 Km/h)
	Air Permeability ISO EN 12207 + ISO EN 1026	Class 3 (600 Pa or 110Km/h)
	Wind Resistance ISO EN 12210 + ISO EN 12211	Class C5 (2000 Pa or 200 Km/h)
	Impact Resistance ISO EN 12600 + ISO EN 1630	Class 5 (In 6 possible classes)
	Acoustic Insulation ISO EN 10140 + ISO EN 717	Rw: 38 db (up to)
	Security ISO EN 1627	RC2:(WK2)
	Thermal transmittance Uw	up to Ug = 0.7 Uw 1.2 W/ m² K

Calculation module 4.60 x 3.00 to Thermal transmittance
ISO EN 10077-1 + ISO EN 10077-2 (up to)





OTIIMA PLUS evolution








EXCLUSIVE INVISIBLE LOCK-HANDLE

EXCLUSIVE FLUSH SYSTEM,
with head and sill frames perfectly flush with the construction materials

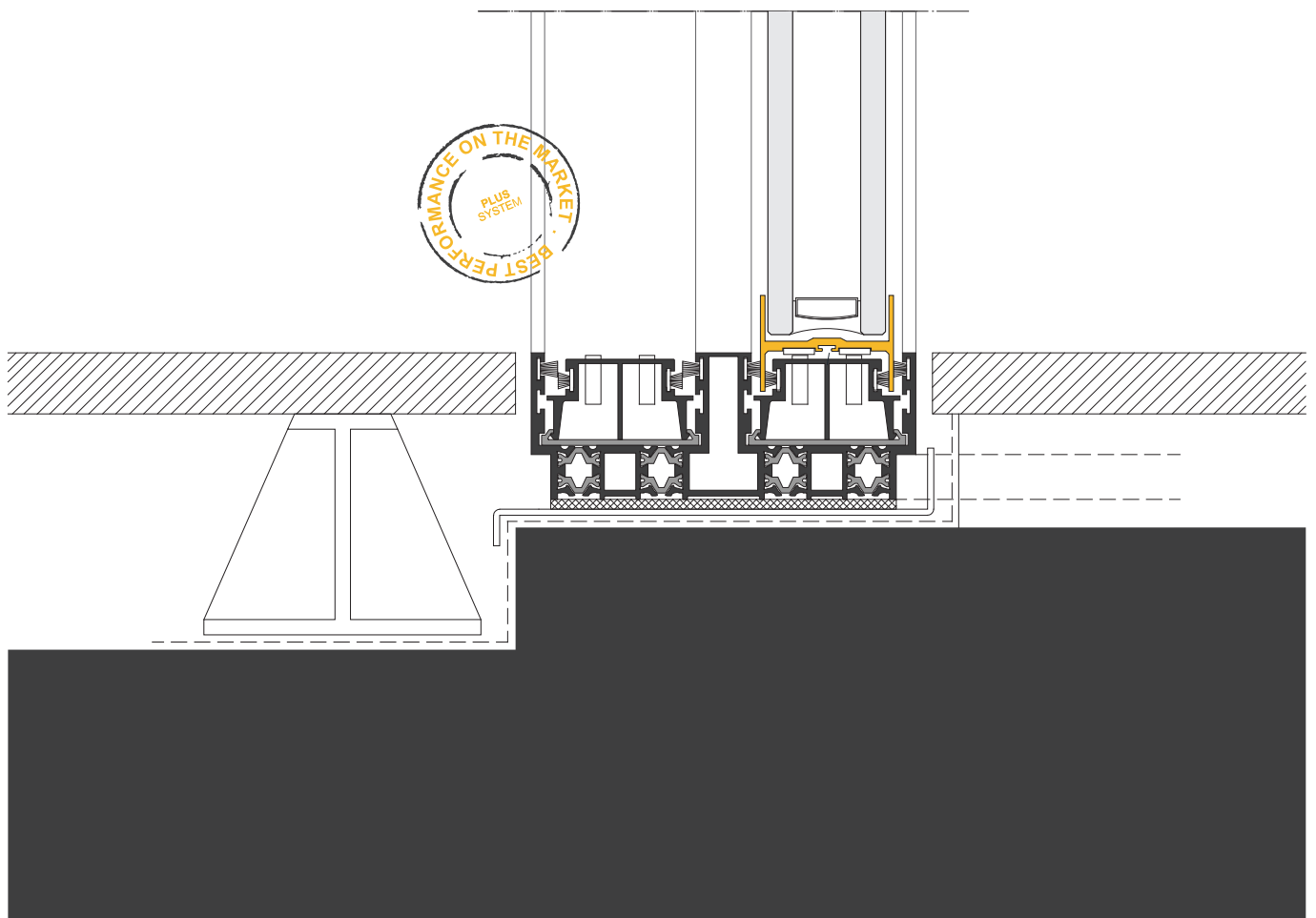
BEST PERFORMANCE IN THE MARKET (air and watertightness)

PLUS is an exclusive minimal window system, characterized by an innovative design (bottom and top position), with all window frames perfectly flush with the construction materials. It offers an outstanding performance in watertightness, air permeability and resistance to wind loads.

PLUS has a slim and elegant handle, equipped with a hidden lock system, that provides the window a streamlined appearance, leading to the limit the minimal essence, allowing also an improved level of security, combined with an intuitive and simple user experience.

	Watertightness ISO EN 12208 + ISO EN 1027	E1050 (3 classes above 9A)
	Air Permeability ISO EN 12207 + ISO EN 1026	Class 4 (600 Pa or 110km/h)
	Wind Resistance ISO EN 12210 + ISO EN 12211	Class C5 (2000 Pa or 200 Km/h)
	Impact Resistance ISO EN 12600 + ISO EN 1630	Class 5 (In 6 possible classes)
	Acoustic Insulation ISO EN 10140 + ISO EN 717	Rw: 42db (up to)
	Security ISO EN 1627	RC2:(WK2)
	Thermal transmittance U _w	up to U _w = 0.7 U_w 1.2 W/ m² K

Calculation module 4.60 x 3.00 to Thermal transmittance
ISO EN 10077-1 + ISO EN 10077-2 (up to)





reddot award 2017
winner



GERMAN
DESIGN
AWARD
WINNER
2019

OTIIMA FUSION 1.0 revolution








A system that is completely merged within the architectural and finishing materials, offering: hidden head, sill and jamb frames.

The window totally merges with the building, becoming one.

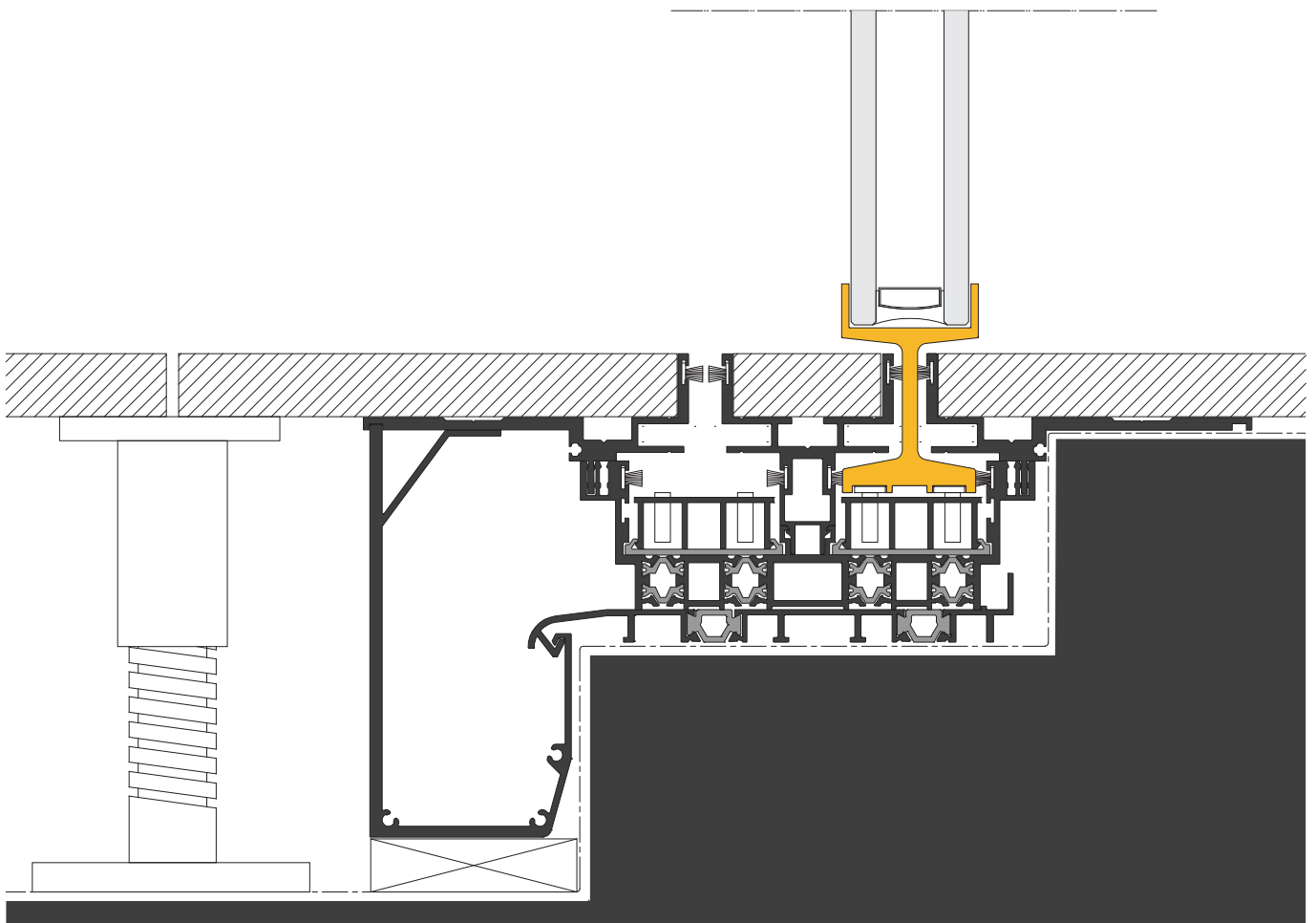
FUSION offers you a system which is completely built into the finishing materials, as if the window is merged with the building, becoming one. This system incorporates the window frames with reinforced binding polyamides and toughened glass, providing superior thermal and structural performance. It's an innovative system, completely built-in on all four sides of the frame, providing the perfect fusion and a seamless connection with the interior and exterior spaces.

In addition, **FUSION** incorporates a gutter capable of draining a large amount of rainwater even in extreme situations.

This system has achieved exceptional results in leakage tests, with an e1650 class exceptional, (7 classes above class 9a) according to en 12208 + iso en 1027.

	Watertightness ISO EN 12208 + ISO EN 1027	E1650 (7 classes above 9A)
	Air Permeability ISO EN 12207 + ISO EN 1026	Class 4 (600 Pa or 110Km/h)
	Wind Resistance ISO EN 12210 + ISO EN 12211	Class C5 (2000 Pa or 200 Km/h)
	Impact Resistance ISO EN 12600 + ISO EN 1630	Class 5 (In 6 possible classes)
	Acoustic Insulation ISO EN 10140 + ISO EN 717	Rw: 42db (up to)
	Security ISO EN 1627	RC2:(WK2)
	Thermal transmittance Uw	up to Ug = 0.7 Uw 1.0 W/ m² K

Calculation module 4.60 x 3.00 to Thermal transmittance
ISO EN 10077-1 + ISO EN 10077-2 (up to)





OTIIMA FUSION 2.0 excellence








The most balanced system in the market, in Design, Performance, and Maintenance.

Easy access to technical cavities, removable and replaceable covers.

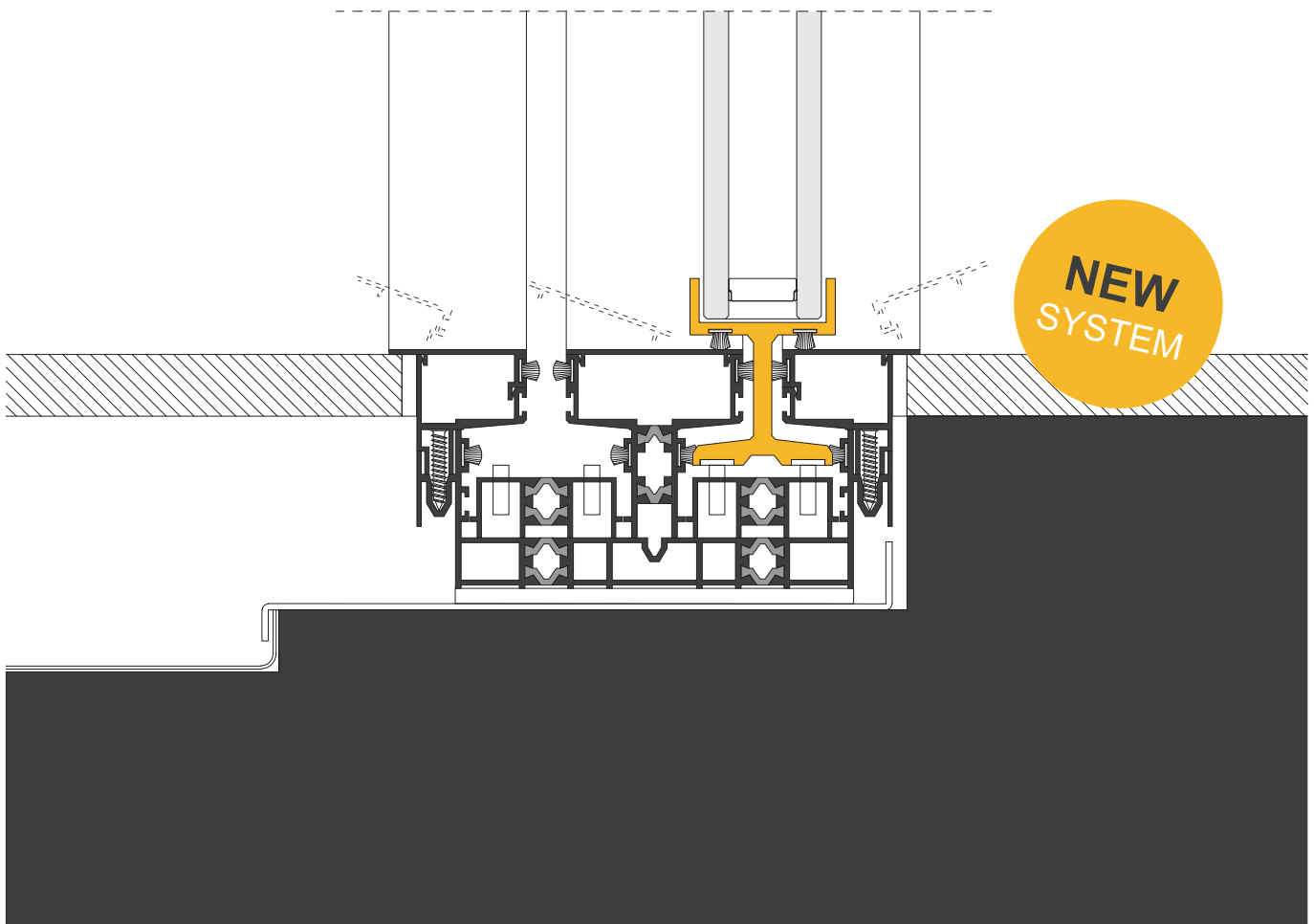
Additional drainage grid and anti-freeze.

FUSION 2.0 is the new minimalist sliding system from OTIIMA, Much more than a Window, that merges design, performance and maintenance in an innovative and exceptional way, combining the best thermal, acoustic and air/water permeability performances with superior design to perfectly blend and harmonize with the building, and unique maintenance features, like the easy replacement of the finishing caps at any time throughout the lifespan of the building, during or after construction, that can even be done by the end user.

At the same time, the system features perimeter cavities below the removable finishing caps, that can be transformed into technical spaces for multiple uses, from extra mechanical fixings to thermal probes for heating, insulation, lighting, and weather sensors.

	Watertightness ISO EN 12208 + ISO EN 1027	E1650 (7 classes above 9A)
	Air Permeability ISO EN 12207 + ISO EN 1026	Class 4 (600 Pa or 110Km/h)
	Wind Resistance ISO EN 12210 + ISO EN 12211	Class C5 (2000 Pa or 200 Km/h)
	Impact Resistance ISO EN 12600 + ISO EN 1630	Class 5 (In 6 possible classes)
	Acoustic Insulation ISO EN 10140 + ISO EN 717	Rw: 42db (up to)
	Security ISO EN 1627	RC2:(WK2)
	Thermal transmittance Uw	up to Ug = 0.7 Uw 1.0 W/ m² K

Calculation module 4.60 x 3.00 to Thermal transmittance
ISO EN 10077-1 + ISO EN 10077-2 (up to)





OTIIMA FLEX authored by CA








“Sometimes we want to merge the window in the building to a minimal expression.

Sometimes we want to have a visual frame, a window enhancement as a composition element. Other times we want both expressions to value a particular composition.”

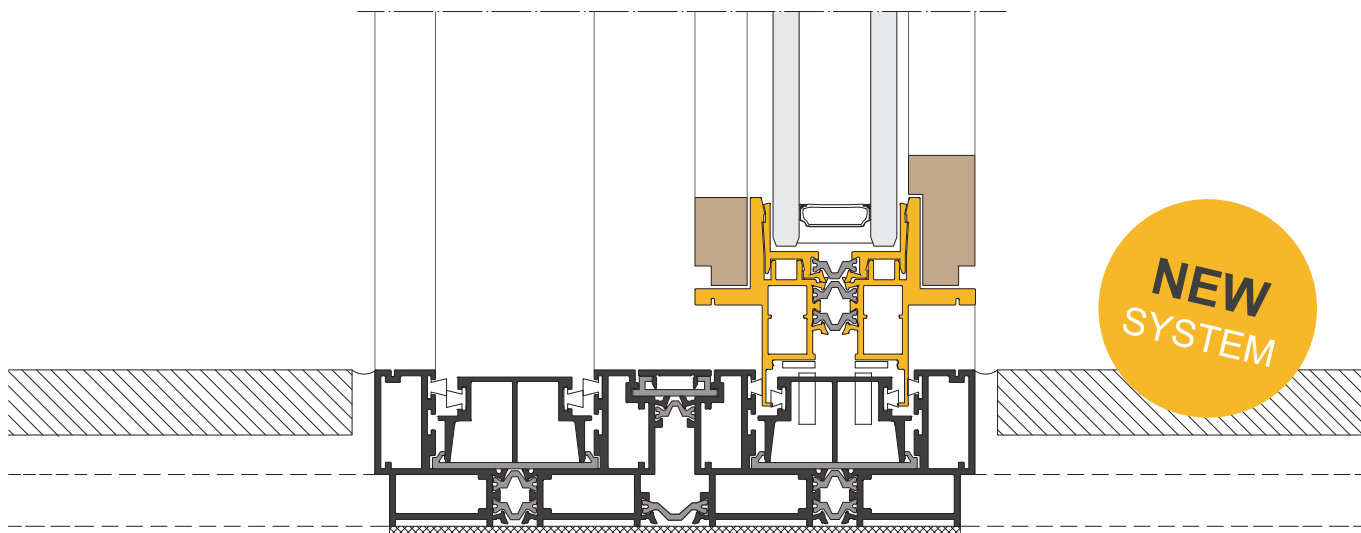
José Manuel Carvalho Araújo

FLEX frame is an architectural glazing system, that combines the highest technical performance of today’s most demanding standards in the construction market, with the elegance and delicateness of minimalist steel and wooden frames hand-made by metal workers, with the purpose of catering for the different types of frames in a single solution, with maximum visual language, blending the result within the construction for a plain and simple appearance

FLEX frame optionally allows for the inclusion of a decorative wooden sub-frame in different sizes, which can add character, enhancing the window and making it an essential element of the architectural composition.

	Watertightness ISO EN 12208 + ISO EN 1027	E 950 (2 classes above 9A)
	Air Permeability ISO EN 12207 + ISO EN 1026	Class 3 (600 Pa or 110Km/h)
	Wind Resistance ISO EN 12210 + ISO EN 12211	Class 3 (1200 Pa or 155 Km/h)
	Impact Resistance ISO EN 12600 + ISO EN 1630	Class 5 (In 6 possible classes)
	Acoustic Insulation ISO EN 10140 + ISO EN 717	Rw: 42db (up to)
	Security ISO EN 1627	RC2:(WK2)
	Thermal transmittance Uw	up to Ug = 0.7 Uw 1.2 W/ m² K

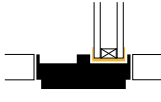
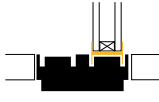
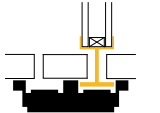
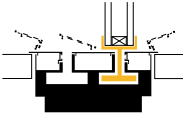












Calculation module 4.60 x 3.00 to Thermal transmittance
ISO EN 10077-1 + ISO EN 10077-2 (up to)





SYSTEMS

FEATURES and CUSTOMIZATIONS

	CLASSIC beginning	PLUS evolution	FUSION 1.0 revolution	FUSION 2.0 excellence	FLEX authored	
						
TRACK SYSTEM	VISIBLE/ HIDDEN BEARINGS	VISIBLE	VISIBLE	HIDDEN	HIDDEN	VISIBLE
	UNEVEN/ FLUSH/ MERGED	UNEVEN	FLUSH	MERGED	MERGED	FLUSH
FLY SCREEN	RETRACTABLE OPENING	•	•			•
	FULL FRAME	•	•	•	•	•
LOCKING MECHANISMS	EXCLUSIVE INVISIBLE LOCK	•	•			
	MULTIPLE POINT LOCK	•	•	•	•	•
HURRICANE PROOF			•			
AUTOMATION	•	•	•	•	•	
EXCLUSIVE ANTI FREEZE SYSTEM	•	•	•	•	•	
LIFETIME WARRANTY	•	•	•	•	•	
AWARDS		 	 			
SPECIAL COLOR FRAMES*	 anodized natural	 anodized 1EA	 anodized 2EA	 anodized 3EA	 anodized 4EA	 anodized 6EA

* SPECIAL COLOR FRAMES ON REQUEST

OPENING and GLASS TYPES

		CLASSIC beginning	PLUS evolution	FUSION 1.0 revolution	FUSION 2.0 excellence	FLEX authored
HORIZONTAL SLIDING	STANDARD	•	•	•	•	•
	CORNER	•	•	•	•	•
	HIDDEN "pocket"	•	•	•	•	•
VERTICAL SLIDING	STANDARD "sash"	•	•			
	HIDDEN "retractable"	•	•			
SWING	CASEMENT	•	•			in progress
	TILT & TURN	•	•			in progress
	PIVOT	•	•		•	in progress
GLASS TYPE	SINGLE	•				
	DOUBLE	•	•	•	•	•
	TRIPLE	•	•	•	•	•
GLASS FEATURES	SLOPED	*	*	*	*	*
	CURVED	*	*	*	*	*

* SLOPED AND CURVED WINDOWS ON REQUEST

SCHEMATIC

OPENING TYPOLOGIES

HORIZONTAL SLIDING

STANDARD

CORNER

HIDDEN "pocket"



(1)



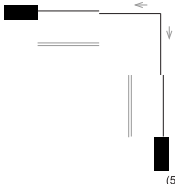
(2)



(3)



(4)



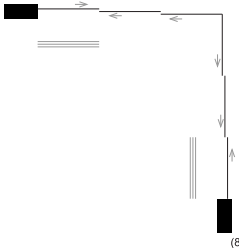
(5)



(6)



(7)



(8)



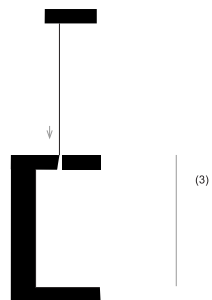
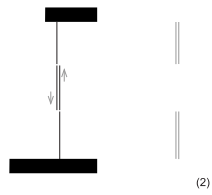
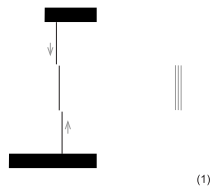
(9)

MONORAIL	FIX (1)	FIX (2)	● (3)
BIRAIL	● (4)	● (5)	● (6)
TRIRAIL	● (7)	● (8)	● (9)
CUSTOMIZED	*	*	*

* CUSTOMIZED ON REQUEST

VERTICAL SLIDING

STANDARD "sash"



TOP AND BOTTOM
OPENING

● (1)

CENTRAL OPENING

● (2)

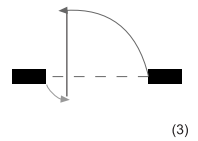
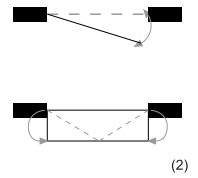
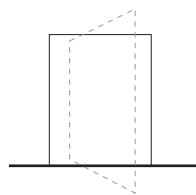
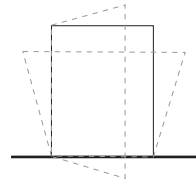
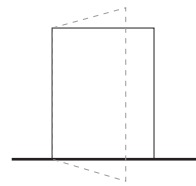
HIDDEN
"retractable"

● (3)

CUSTOMIZED

●

SWING



CASEMENT

● (1)

TILT & TURN

● (2)

PIVOT

● (3)

CUSTOMIZED

●

OTIIMA

AUTOMATION

As an option, all of our windows can be motorized.

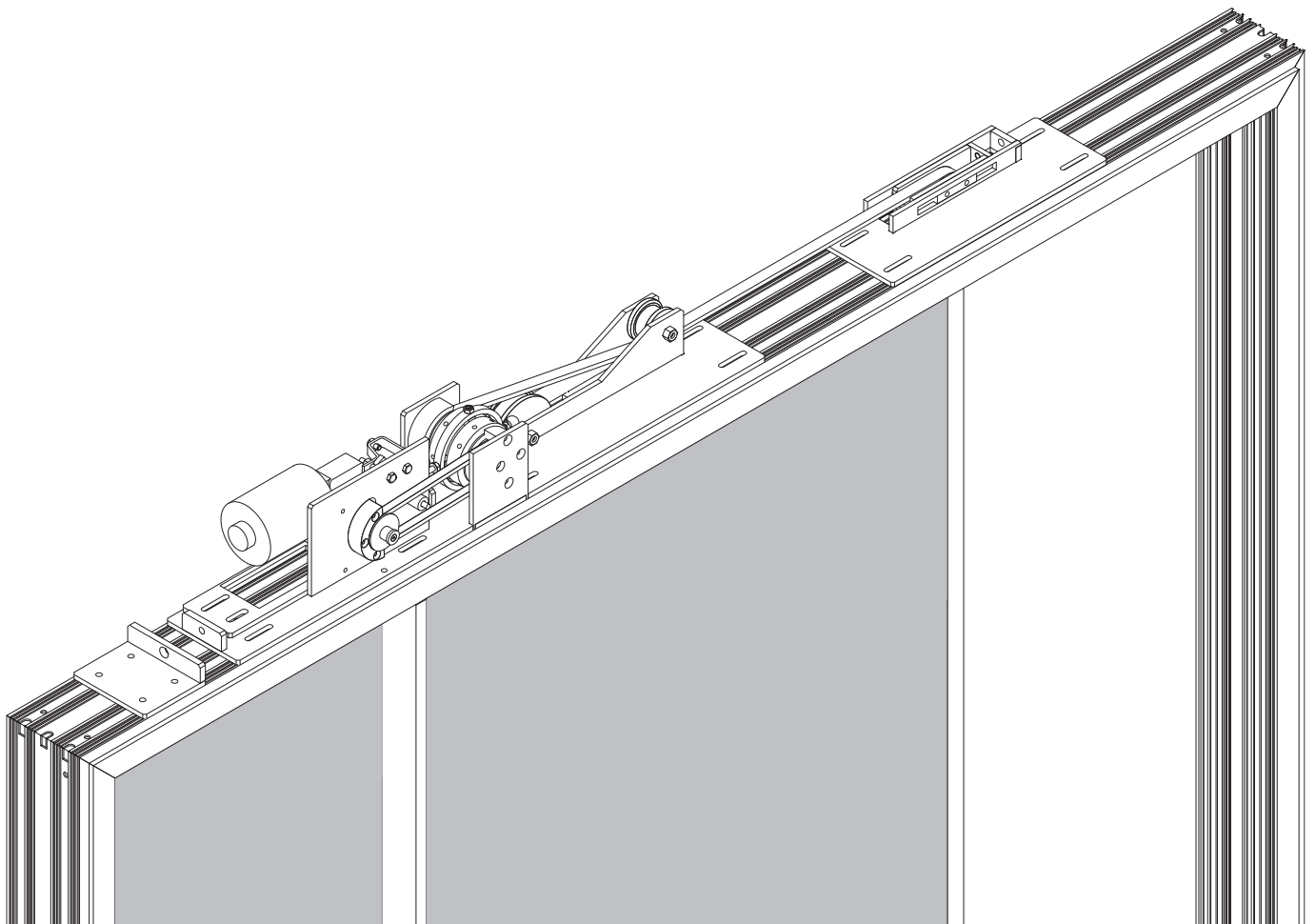
OTIIMA motorization system has now an **exclusive technology** that allows you to **easily switch from automatic to manual opening** by clutch disengagement.

This system becomes highly useful if the automatism becomes inoperable, in case of general failure of electricity and if the backup batteries get discharged.

OTIIMA motorization system can be applied in all OTIIMA systems, offering the option of superior, lateral or interior installation.

You are now able to operate your windows motorization with classic switches by a global home automation system.

This second solution offers new possibilities for a safer and more comfortable environment.



You are able to operate your window automation with piezo switches, remote control or with a global home automation system.

Domotics provides you with new unlimited possibilities:

- When you press the start button, all windows close and shutters descend.

- There's no need to have a switch for each service (light, windows, curtain, shutter)

All these commands can be gathered into only one switch

- Possibility to control your windows from every device, such as Iphone or Ipad

- If you switch on air conditioning, the windows automatically close

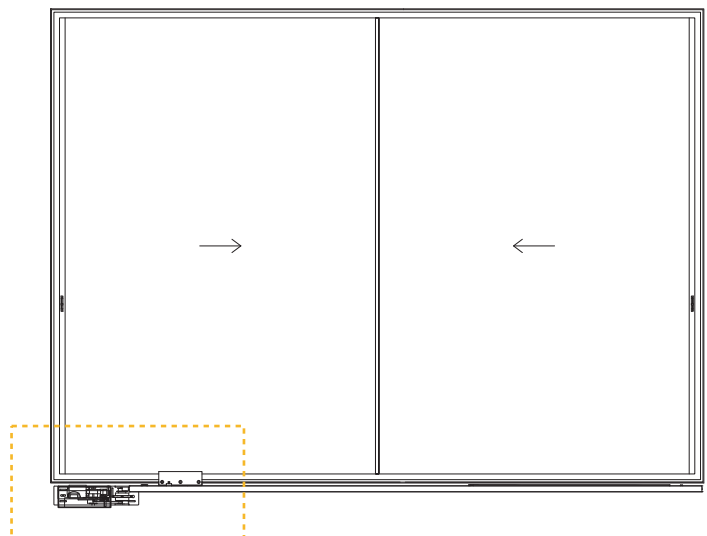
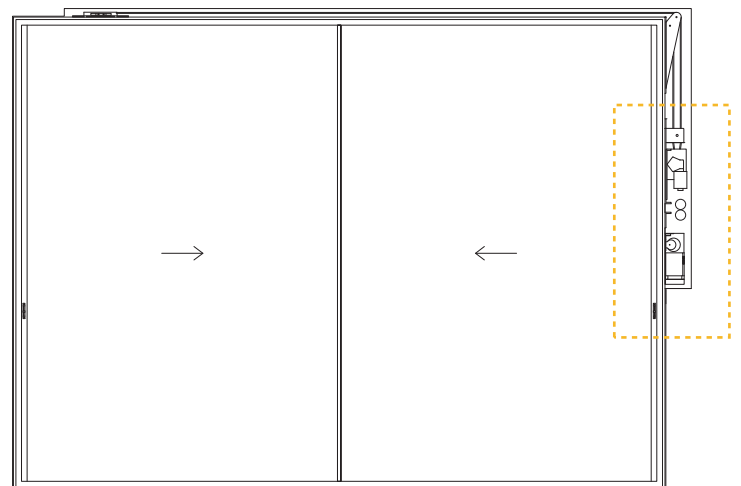
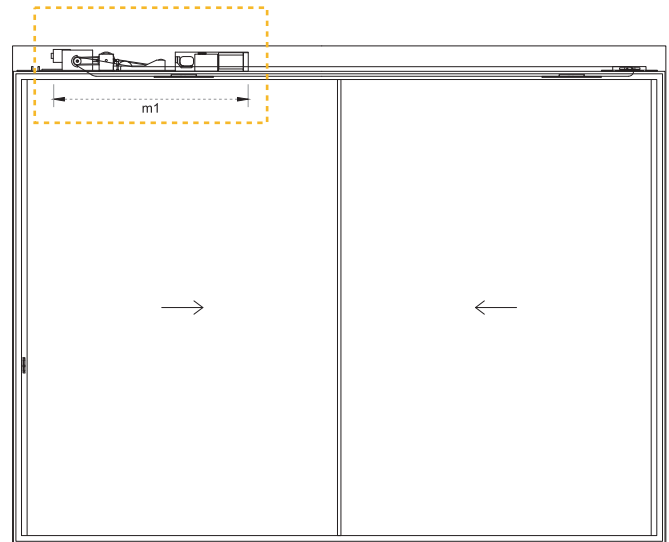
- If the wind increases, the windows automatically close

- If the weather forecast predicts rain, the windows automatically close

- If you want to go to the garden, when you open the windows, the shutters automatically open in order to let you pass

- If a window is still open after you switched on the alarm, it automatically closes

- If you want windows to be closed when you turn on the television, this can be done for you.



Motorization

(top, lateral, and bottom position)

OTIMA

SECURITY and LOCK MECHANISMS

AVAILABLE LOCKS FOR CUSTOMIZATION

Our systems may be customized with 3 different types of locks. All of them equipped with high efficient security solutions.

Type1, type 2 or type 3 (invisible).

Type1, type 2 are standardly equipped with a **multiple point lock system**.

Type 3 is an **exclusive invisible lock**, merged into the handle of the window, providing the most minimal lock in the market, with high security performances.

-
-
-

In addition to the traditional manual locking systems, you can choose an automatic electromagnetic lock and, for an even higher level of security, you can equip your window with alarm cells.

ELECTROMAGNETIC LOCK

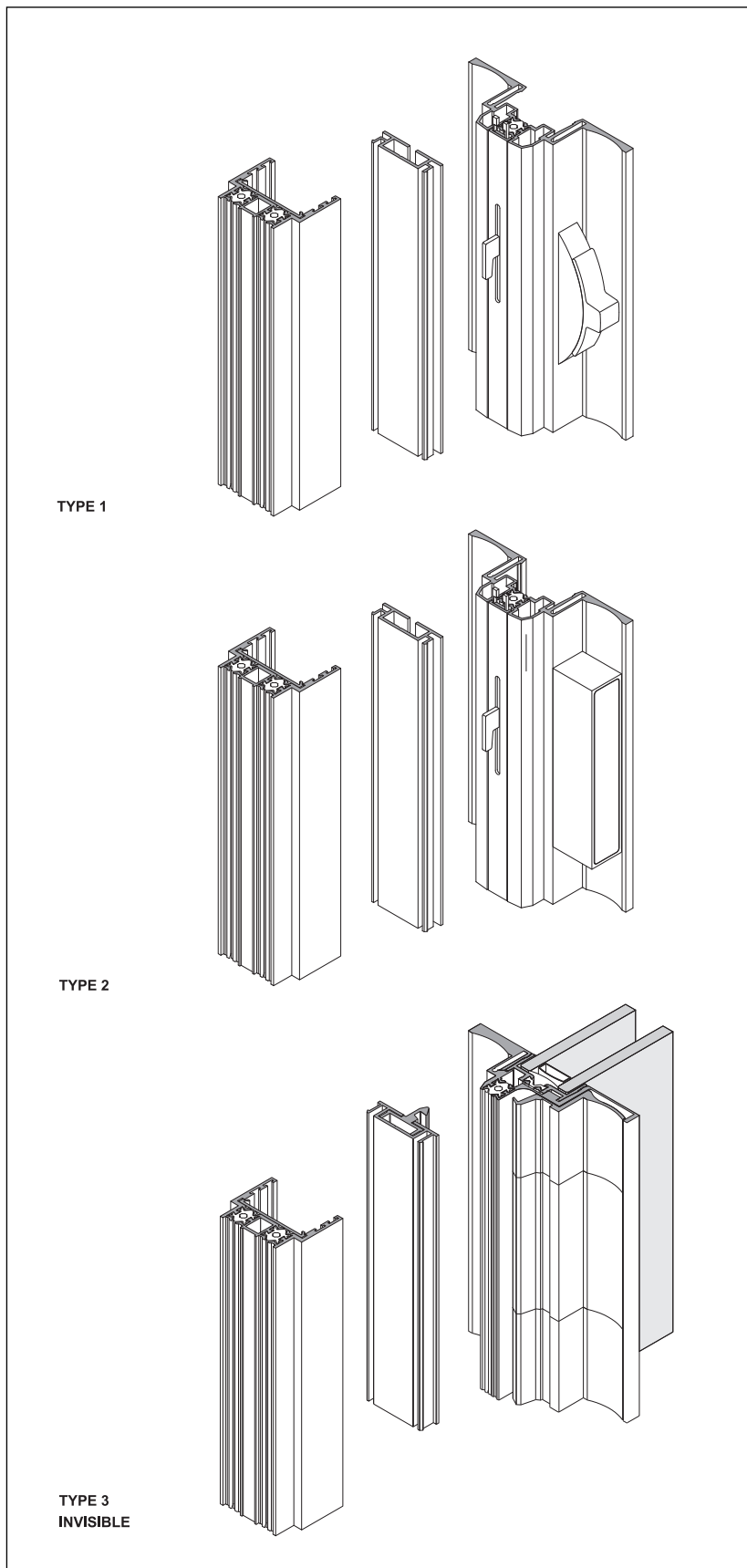
To manage access control, or for optional security, a hidden electromagnetic lock can be included into windows.

SAFETY SENSOR (HANDLE POSITION)

With the safety band installed on the whole extension of the handle, the user's safety will always be guaranteed.

ALARM

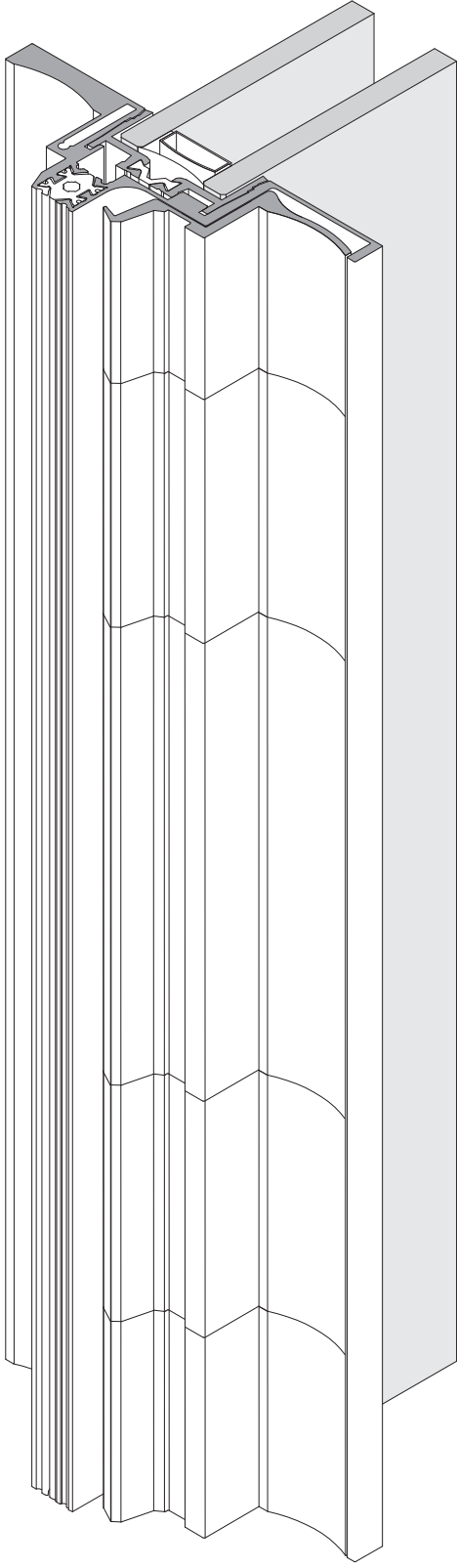
The new generation windows provide a perfect integration of alarm cells.



AVAILABLE LOCKS FOR CUSTOMIZATION

type 1, type 2, invisible

BEST SECURITY CLASS
Much more than a Window.



INVISIBLE

TWO-HAND LOCK CONTROL

With hidden security locks new generation, it is possible to apply a security system where the window's opening only occurs if the operator uses both hands.

This safety system is especially effective in preventing use by children.



OTIIMA

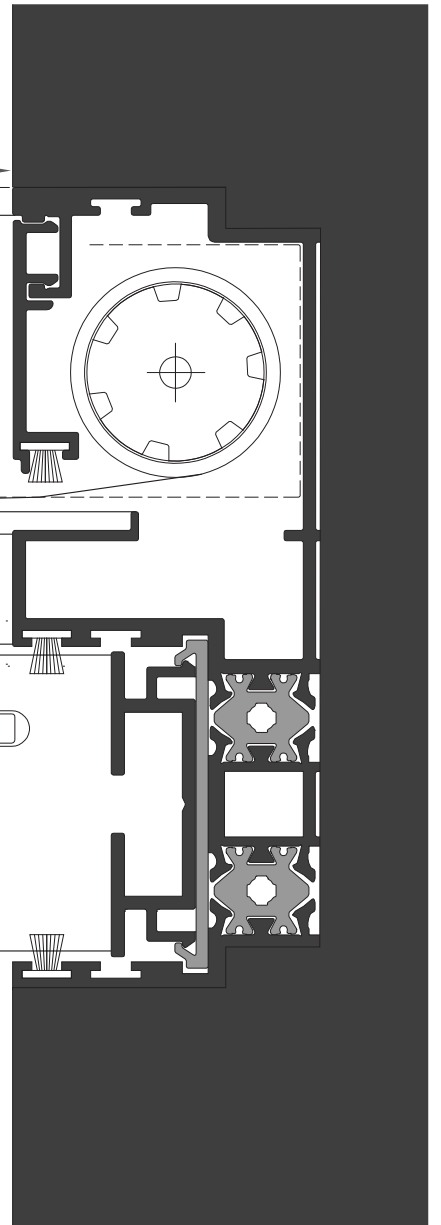
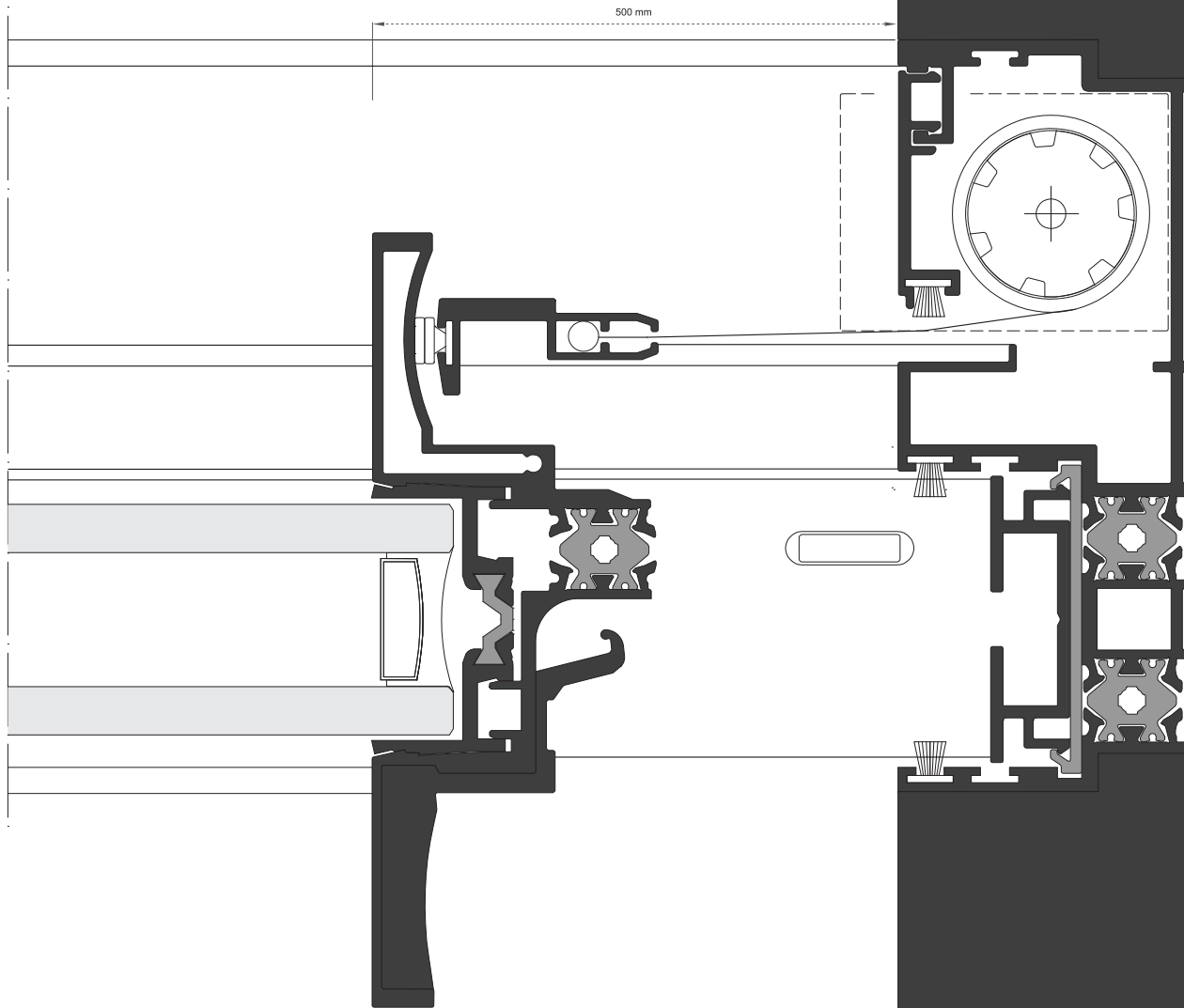
FLYSCREEN RETRACTABLE OPENING (INVISIBLE)

A mosquito net system offers you the freedom to keep the windows open without reducing visibility or air flow, and protects you from external parasites. The mosquito net can be installed standard on our sliding panels parallel to the window, indoors and outdoors, on a 3x3 meter dimension (larger dimensions on request). It can also be fixed using a retractable vertical bearing, hidden in the window cover, for maximum opening size of 40cm.

OTIIMA flyscreen invisible system was developed to assure the window opening for refreshing and air changing, providing absolute comfort from the outside nature.



Flyscreen retractable opening (detail)
real scale (1:1)



OTIIMA

SLOPED AND CURVED GLASS

Luminous and playful solutions can be achieved by Much more than a Window's sloped and curved glasses.

Challenge us!



WINDOWS will always be a safe connection with the world outside. Get the ones that shorten the limits between the inside and the outside.

**Much
more
than a
Window.**

www.muchmorethanawindow.com | info@muchmorethanawindow.com

WINDOWS will always be a safe connection with the world outside. Get the ones that shorten the limits between the inside and the outside.

**Much
more
than a
Window.**

www.muchmorethanawindow.com | info@muchmorethanawindow.com